

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001032**Date Inspected:** 17-Oct-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:****Quality Control Present:****Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:****Bridge No:** 34-0006**Component:** OBG and Tower Component**Bid Item:****Lot No:** B- 278**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance Inspector (QA) S. Manjunath. Math was present during the times noted above for observations relative to the work being performed.

Inspection for Surface Preparation and/or Coating Application.

OBG External Surface Inspection Request No. 1774

A joint two party inspection was performed by ABF Mr. Shi Zhaoyuan, Mr.Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. David Duan, Mr. Zili Peng(International Paint) and QA for the Blasting of OBG External surface for Segment 6BW.

Inspection Conclusions: Rejected by ABF and Caltrans QA as no scaffolding arrangement to inspect the Side Panel (Cross Beam and Counter Weight side).

Suspender Bracket Inspection Request No. 1775

A joint two party inspection was performed by ABF Mr. Shi Zhaoyuan, Mr.Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. David Duan, Mr. Zili Peng(International Paint) and QA for the Suspender Brackets.

The items which were inspected were as following.

SOURCE INSPECTION REPORT

(Continued Page 2 of 3)

1 Suspender Bracket for SB14E, SB16E, SB20E, SB22E and SB26E.

Inspection Conclusions: The 5 Sets of Suspender Brackets were offered for final Inspection for Bottom Side during Inspection noticed the DFT is less than acceptance thus the Suspender Brackets were rejected by ABF, International Paint representative and Caltrans QA Inspector.

OBG External Surface Inspection Request No. 1776

A joint two party inspection was performed by ABF Mr. Shi Zhaoyuan, Mr. Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. David Duan, Mr. Zili Peng(International Paint) and QA for the Blasting of OBG External surface for Segment 6BW.

Inspection Conclusions: Inspection was performed for the segment as movable scaffolding arrangements were facilitated for Inspection. Rejected the blasted area by ABF and Caltrans QA as the blasting surface does not meet the requirement of blasting specification and ZPMC agreed to re-offer for inspection after proper blasting. The salt test (Bresle Test) was performed at 3 location and noticed results as 20 micro Siemens/cm, 10 micro Siemens/cm and 10 micro Siemens/cm which were within the specified range.

OBG External Surface Inspection Request No. 1777

A joint two party inspection was performed by ABF Mr. Shi Zhaoyuan, Mr. Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. David Duan, Mr. Zili Peng(International Paint) and QA for the Blasting of OBG External surface for Segment 6BW.

Inspection Conclusions: Inspection was performed for the segment and Accepted by ABF and Caltrans after blowing dust off. The blasting profile range is 64 to 84 micro meter. The ambient conditions were recorded and found acceptable.

OBG External Surface Inspection Request No. 1778

A joint two party inspection was performed by ABF Mr. Shi Zhaoyuan, Mr. Sun Xiong, Mr. Zhou Wei, Mr. Weichang Yun, Mr. Zhou Ounsong, Mr. David Duan, Mr. Zili Peng(International Paint) and QA for the paint testing of OBG External surface for Segment 6AE.

Inspection Conclusions: Segment 6AE External side primer Inter Zinc 22 applied area at 3 Location Residual Chloride Test was performed and noticed reading as 20 micro Siemens/cm, 20 micro Siemens/cm and 20 micro Siemens/cm. MEK and Pencil Hardness Test were performed and all the test were been accepted.

OBG External Surface Inspection Request No. 1779

A joint two party inspection was performed by ABF Mr. Zhou Wei, Mr. Zhou Ounsong and QA for the Blasting for Lift 2 East OBG internal U-Rib end re-blasting (Partial).

SOURCE INSPECTION REPORT

(Continued Page 3 of 3)

Inspection Conclusions: Segment Lift 2 East OBG Internal U-Rib end re-blasting (Partial) area inspected and accepted by ABF and Caltrans QA.

Summary of Conversations:

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By:	Math,Manjunath
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Quality Assurance Inspector

Reviewed By:	Carreon,Albert
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QA Reviewer
